

ABSTRACT OF THE DISCLOSURE

5 A fluid flow bolt system for allowing fluid to flow about a threaded fastener when secured within a component. The fluid flow bolt system includes a solid shaft having an inner end and an outer end, a head attached to the inner end of the shaft, a plurality of channels extending within the outer surface of the shaft, and threading extending into the shaft. The depth of the channels is sufficiently greater than the
10 depth of the threading grooves to allow for the passage of fluid through the channels when the bolt is threadably secured within a component. The channels preferably have a spiral pattern to allow for clean threading of the shaft.